

ing the luncheon, a session will be held in the U. S. Chamber of Commerce Building at which various awards will be formally bestowed. Honorary memberships will be awarded to individuals who have rendered conspicuous service to the society, and the Holley, Melville, Gantt, American Society of Mechanical Engineers, Fiftieth Anniversary and other newly founded medals of distinction will be conferred.

At the dinner, also on Tuesday, April 8, the president of the American Society of Mechanical Engineers will present a paper which will be the national report for the United States and will outline the future possibilities of service of the society. At this time also an eminent scientist will review the past contributions of science to engineering, the relation of engineering with respect to science and the influence of science on the future of engineering. In addition, a prominent American will present, from an international viewpoint, an evaluation of the influence of engineering invention, development and accomplishments upon the cultural, social, economic and political progress of mankind, and an outline of the future of engineering in solving the problems of mankind and in promoting international amity.

Other gatherings of interest include a reception at the White House for delegates and members of the society and their guests, and the American Society of Mechanical Engineers president's and officers' reception on the evening of the same day. There will also be trips about New York and Washington, during which the delegates, American Society of Mechanical Engineers' members and their guests will view the outstanding points of interest of those cities.

THE CELEBRATION OF "LIGHT'S GOLDEN JUBILEE" BY NEW YORK STATE

THE people of New York State are called upon to observe October 21 as Light's Golden Jubilee day and

display their appreciation of the work of Thomas A. Edison, in a proclamation by Governor Roosevelt made public at the executive offices. The proclamation reads:

PROCLAMATION

WHEREAS, On October 21, a half century will have elapsed since Thomas A. Edison, equally distinguished as scientist, inventor and benefactor of mankind, gave the world the comfort and convenience of the incandescent light, and

WHEREAS, It is incumbent upon all the living beneficiaries of the outstanding invention to signalize the fiftieth anniversary of the culmination of the research and efforts of Edison, foremost in the broad, uncharted field of electrical experimentation, and

WHEREAS, New York State in the development of the incandescent light and other splendid inventions of this world-renowned developer of those mysterious advantages hidden away in the partly explored realm of electricity, has profited commensurately with the rest of the world by the accomplishments of the great Edison, who literally has lighted the path of humanity, and

WHEREAS, The consciousness and appreciation of those benefits and advantages afforded by the work and efforts of Edison have provoked and inspired an observance of this date as a world-wide expression of gratitude to Thomas Alva Edison, an observance in which the Empire State will participate with a vigor tantamount to its admiration of this truly great man himself,

Now, therefore, I, Franklin D. Roosevelt, Governor of the State of New York, do proclaim October 21 Light's Golden Jubilee Day and do urge upon all our people, youth and adult alike, the propriety and fitness of a state-wide manifestation of their high regard for Thomas Edison and an appreciation of his genius by the conduct of commemorative exercises in our schools, in our civic organizations and fraternal societies, supplementing these with the illumination on the night of October 21 of the great modern structures, the utility of which has been experienced by the invention of the incandescent lamp.

SCIENTIFIC NOTES AND NEWS

PROFESSOR ALBERT A. MICHELSON, who has suffered an attack of pneumonia after an operation in Chicago, is reported to be somewhat better at the time of going to press with the present issue of SCIENCE.

PROFESSOR IVAN PAVLOV, after attending the Physiological and Psychological Congresses, returned to Leningrad in time to celebrate his eightieth birthday. In recognition of the event the Soviet government gave \$50,000 to his laboratory and decided to close to traffic a street the noise from which might interfere with his experiments.

DR. ARTUR HAAS, professor of physics at the University of Vienna, and Professor F. G. Donnan, of the

University of London, have been invited by the Gibbs Committee, a committee representing the departments of physics and chemistry of Yale University, to be editors of a commentary on the works of J. Willard Gibbs. A number of distinguished physicists and chemists will be among the collaborators. In consequence of undertaking this work, Dr. Haas will be obliged to postpone his visit to the United States.

DR. RALPH MODJESKI, of Chicago, has been awarded the John Fritz gold medal "For notable achievement as an engineer of great bridges combining the principles of strength and beauty." The award, which was unanimous, was made by the John Fritz Medal

Board of Award, composed of sixteen recent past presidents of the four national societies of civil, mining and metallurgical, mechanical and electrical engineers.

As the result of the balloting for officers to head the American Society of Mechanical Engineers for 1930, the tellers of the election announce the following as having been chosen: *President*, Charles Piez, chairman of the board, Link-Belt Co., Chicago, Illinois; *Vice-presidents*, Paul Doty, chairman of the board, Minnesota State Board of Registration, St. Paul, Minn.; Ralph E. Flanders, manager, Jones & Lamson Machine Co., Springfield, Vt.; Ernest L. Jahneke, assistant secretary of the Navy; Conrad N. Lauer, president, Philadelphia Gas Works.

DR. JOHN C. HEMMETER, Baltimore, has been elected an honorary member of the Academy of Medicine of Paris.

Nature reports that the retirement of Professor F. W. Oliver from the Quain chair of botany at University College, London, was made the occasion of an appeal for funds to commemorate the sixty-nine years' association of Professor Oliver and of his father, Professor Daniel Oliver, with the chair of botany at University College. The appeal resulted in the collection of a sufficient sum of money to enable the committee to found an Oliver Commemoration Bursary of the annual value of about £20 for the purpose of assisting graduate students of University College to prosecute research in botany. At a dinner given to Professor Oliver at University College, under the chairmanship of Professor F. O. Bower, the committee's decision with regard to the disposal of the funds was announced and a cheque for his personal use, together with an album of the autograph signatures of the contributors to the fund, were presented to Professor Oliver.

DR. RAY S. BASSLER has been appointed head curator of the department of geology of the U. S. National Museum to succeed the late Dr. George P. Merrill. Dr. Bassler has been connected with the division of paleontology of the museum since 1901.

DR. P. H. ROLFS, formerly director of the Florida experiment station and dean of the Florida State College of Agriculture, has been invited by the Brazilian ambassador to establish and conduct in Brazil a college of agriculture.

FRED C. BERQUIST, associate professor in the Carnegie Institute of Technology, Pittsburgh, has been appointed expert in mineral economics in the bureau of the census.

DR. ESMOND R. LONG, professor of pathology, University of Chicago, has been appointed editor-in-chief

of the *Journal of Outdoor Life*, which is published by the National Tuberculosis Association.

SIR FREDERIC STUPART, having retired from the directorship of the Canadian Meteorological Service, has withdrawn also from being associate editor of the *Journal of the Royal Society of Canada*, and his successor, Mr. John Patterson, also succeeds him as associate editor.

THE prize of \$250, given by the Scientific Apparatus Makers of America to the contributor presenting the best article on instrument-making other than optical that has been published in the *Journal of the Optical Society and Review of Scientific Instruments*, has been awarded for the year 1928 to Mr. N. E. Bonn, of the Leeds and Northrup Company, for his article on "An Improved Rosa Curve Tracer," appearing in the issue of September of that year. Dr. F. K. Richtmyer, professor of physics at Cornell University, is chairman of the committee on awards.

DEAN DONALD B. PRENTICE, head of the department of mechanical engineering at Lafayette College, will represent the college at the World Engineering Congress to convene in Tokio the latter part of October. Dean Prentice has included in his trip to Japan a trip around the world on which he started in June and during which he visited the chief engineering colleges in other countries. He will return in February, 1930, after a month's visit in Honolulu.

ASSOCIATE PROFESSOR P. H. SCHWEITZER has returned to the engineering experiment station of the Pennsylvania State College after a year at the University of Dresden, from which he received the degree of Ingenieur Doctor.

DR. F. SILVESTRI, of the school of agriculture, Portici, Italy, has been appointed associate professor of entomology at the University of Minnesota for the spring quarter, 1929, and during that time will give a series of lectures on advanced economic entomology.

DR. H. WALTER, of the University of Heidelberg, has arrived in New York. He will spend six months at the Desert Laboratory in Tucson, Arizona, and the latter half of the year at the University of Nebraska. Dr. Walter is hoping to meet some of his colleagues in American universities before beginning his work in Arizona. He is particularly interested in the study of plant saps in relation to environment.

DR. V. KRAJINA, assistant of the botanical institute of the Charles University, Prague, has gone to the Hawaiian Islands to study their fauna and vegetation under the auspices of Yale University and of the Czechoslovak Ministry of Education.

DR. R. N. CHAPMAN, chief of the division of entomology and economic zoology at the University of Minnesota, sailed for Honolulu, Hawaii, on September 7. Dr. Chapman was requested to visit Hawaii by the Pineapple Growers Experiment Station and to consult with them regarding the possible insect carriers of pineapple diseases. He will return to the University of Minnesota about December 1.

CHAS. R. FETTKER, professor of geology at the Carnegie Institute of Technology, Pittsburgh; W. A. Copeland, assistant professor, and W. H. Seifert completed the field work on the geological survey of the Bradford oil field of northwestern Pennsylvania and adjacent portions of New York State during the past summer for the Pennsylvania Topographic and Geologic Survey and have returned to Pittsburgh.

DR. REMINGTON KELLOGG, of the division of mammals of the U. S. National Museum, and Mr. Norman Boss, of the division of paleontology, left Washington on October 3 for western Alabama to collect fossils for a period of one month. This expedition is being carried on in cooperation with The Carnegie Institution of Washington. The specimens will become the property of the U. S. National Museum, but will be reported on by Dr. Merriam and Dr. Kellogg.

THE committee on scientific research of the American Medical Association invites applications for grants of money to aid in research on problems bearing more or less directly on clinical medicine. Preference is given to requests for moderate amounts to meet specific needs. Application forms can be obtained from the committee at 535 North Dearborn Street, Chicago, Illinois.

A GENERAL discussion arranged by the Faraday Society on "Molecular Spectra and Molecular Structure" was held in the department of physics of the University of Bristol on September 24 and 25, under the chairmanship of Professor T. M. Lowry. The proceedings were in three parts, dealing, respectively, with band spectra in the visible and ultra-violet, the Raman effect and infra-red spectra. Among the well-known foreign men of science who took part were Dr. H. A. Deslandres, Professors R. T. Birge, R. S. Mulliken, F. Hund, V. Henri, E. Hulthén, Sir C. V. Raman, R. W. Wood, J. C. McLennan and J. Cabannes.

DR. IRVING LANGMUIR, president of the American Chemical Society, has returned from a lecture tour in the Mid-West where he gave five lectures before joint meetings of the local sections of the American Chemical Society. In another lecture tour he will address joint meetings of the sections of the Chemical Society in Philadelphia, Thursday, October 17; Washington,

Friday, October 18; New York, Saturday (luncheon), October 19; Rochester, Monday, October 21; Buffalo, Tuesday, October 22; Detroit, Wednesday, October 23; Cleveland, Thursday, October 24; Ada, Ohio, Friday and Saturday, October 25 and 26, at the regional meeting of Northern Ohio. The title of his lecture on this tour will be "Chemical Reactions Produced by Heating Tungsten or Platinum Filaments in Gases." The tours have been arranged by the Local Sections Officers Committee.

DR. M. S. MARSHALL, secretary of the Pasteur Society of Central California, writes that a meeting was held at the Hotel Whitecomb, San Francisco, on September 25. The program consisted of a symposium on epidemic cerebro-spinal meningitis. Dr. J. C. Geiger, associate professor of epidemiology at the University of California and senior surgeon of the U. S. Public Health Service, discussed the epidemiology in the United States. Dr. H. H. Darling, research associate in medicine, Hooper Foundation, discussed his observations of meningitis along the Pacific steamship routes, showing an important focus of an epidemic in Shanghai, accounting for the susceptibility of the Filipinos and suggesting the presence of new strains not covered by the usual anti-meningococcus serums. Dr. J. C. Perry, senior surgeon, U. S. Public Health Service, medical director of the fifth district, presented the incidence of the disease on incoming ships during the past year, and governmental precautions. Dr. E. B. Shaw, Children's Hospital, San Francisco, discussed the treatment of meningitis, particularly as regards modes of serum therapy and their efficacy. Dr. W. H. Kellogg, director of the bacteriological laboratory of the State Board of Health, discussed the bacteriology, emphasizing the various strains, and suggesting that there may well be only a few type strains, others being varieties of these, indeterminable by carbohydrate fermentation reactions. An interesting discussion of half an hour followed the speakers. Thirty-one nominees were elected to membership. The total membership now is 263.

THE twelfth American Country Life Conference will be held at Iowa State College from October 17 to 20. The president of the American Country Life Association is Frank O. Lowden, a former governor of Illinois. Arthur M. Hyde, Secretary of Agriculture, will be among the speakers.

A GIFT of \$100,000 has been made by Mr. Edward S. Harkness to the Research Laboratory of Physiological Optics of the Wilmer Ophthalmological Institute of the Johns Hopkins Medical School for the study of eye diseases in relation to test results. The study will be conducted under the direction of Dr.

C. E. Ferree, director of the laboratory, and Dr. Gertrude Rand, associate professor of research ophthalmology.

THE University of Minnesota has purchased the apicultural library of the Reverend Francis Jager, St. Bonifacius, Minnesota. This is one of the most complete collections of books and periodicals pertaining to bee-keeping that has been gathered together in this country. It is particularly rich in the number of old and rare German works.

THE trustees of the Carnegie United Kingdom Trust have announced that they will grant the Museums Association, Great Britain, the sum of £1,500, spread over a three-year period. This grant is made to enable the association to establish a central office and

employ a permanent staff which will work under the honorary officers.

ARRANGEMENTS are being made by the Queensland Government for continuance of the research work which the British Scientific Expedition has been carrying out for the past twelve months on the Great Barrier Reef. Mrs. Yonge, leader of the expedition, who is returning to England with data about coral and other formations on the Reef, said that the stay at Low Island should be of great value to Queensland economically. It would open the way to new avenues of industry. For example, there were possibilities of a sardine fishery in Torres Straits and the Capricorn Islands. The Queensland government has applied to the federal government to be allowed to retain the structures at Low Island so that the work can be carried on without any waste of time.

UNIVERSITY AND EDUCATIONAL NOTES

DR. ALEXANDER G. RUTHVEN, professor of zoology, has been unanimously elected president of the University of Michigan by the Board of Regents. He succeeds Dr. Clarence C. Little.

DR. CLARENCE YOUNG, of the University of Iowa, goes to Colgate University this year to take charge of a new orientation course in biological science. This course will cover biology, zoology and psychology taken up from the evolutionary standpoint.

DR. WILLARD BERN has been appointed instructor in geology at the Ohio State University.

NEW appointments to the staff of the department of chemistry, Washington Square College, New York University, include those of Dr. B. Pichler, of the University of Graz, and Dr. J. Spence, of the University of Edinburgh. Assistant Professors Muller, Niederl and Ritter have been promoted to associate professorships, and Drs. Ehret, Mouquin and Partidge to assistant professorships.

THE following changes may be noted in the staff of the department of botany of Michigan State College: Dr. J. H. Muncie, of the U. S. Department of Agriculture, stationed at Ames, Iowa, has been appointed in place of Dr. G. H. Coons, who left last May to take charge of the sugar beet disease work of the U. S. Department of Agriculture at Washington; Mr. H. C. Beeskow, last year instructor at the University of Cincinnati, in the place of Orman E. Street, now of the Connecticut Agricultural Experiment Station; Mr. E. S. McDonough, of Marquette University, instructor in botany in the place of F. C. Strong, who resigned to do graduate work at the University of Michigan.

WITH a registration of 54 first-year students and 47 second-year students and a teaching and laboratory

staff of 24, the school of medicine of the University of Southern California has begun its second year. Last fall when the school was reopened after ten years' suspension only the first year of medicine was taught. This fall the second year of pre-clinical work has been added. Next fall it is proposed to add the third year, and in 1931 the fourth year of work. Under the direction of Dean William D. Cutter, formerly dean of Post-Graduate Medical School, New York City, there has been brought together a staff of five professors, two associate professors, four instructors, six demonstrators and six assistants. The appointments include Dr. Paul S. McKibben, formerly head of the department of anatomy of Western Ontario Medical School, as professor of anatomy; Dr. Harry J. Duel, formerly professor of physiology at the University of Maryland, as professor of biochemistry; Dr. Ernest M. Hall, recently assistant professor of physiology at Stanford University, as professor of pathology, and Dr. Burrell Otto Raulsten, practising physician of Los Angeles, as professor of medicine. Other appointments include Dr. John F. Kessel, associate professor of parasitology at the University of California at Los Angeles, as associate professor of bacteriology and parasitology; Dr. Clinton H. Thienes, assistant professor of pharmacology at the University of Oregon Medical School, as associate professor of pharmacology; Dr. Esther H. Bartosh, formerly of the City Maternity Service, Los Angeles, instructor in anatomy; Dr. Philip Randall Fulton, instructor in anatomy; Frederick C. Messer, formerly instructor in physiological chemistry at Syracuse University, instructor in biochemistry, and Dr. Lawrence Parsons, formerly assistant pathologist, Los Angeles County Hospital, instructor in pathology.